1. (Amended) A method of establishing a routing path for packet delivery to a destination node within the same packet-based subnet, said destination node having a destination node address, said method comprising the steps of:

launching a path setup message from said destination node;

receiving said path setup message over a first interface at a first router; and

creating a first routing table entry for a first routing table, said first routing table entry corresponding said destination node address to said first interface,

wherein a packet, subsequently received at said first router and having said destination node address as a packet header destination address, is forwarded from said first router over said first interface after said first router associates said destination node address with said first routing table entry, and

forwarding a handoff update path setup message from a second wireless base station to a first wireless base station if said wireless device is handed off from said first wireless base station to said second wireless base station, said handoff update path setup message used to alter routing table entries for selected routers of said subnet.

7. (Amended) A method of establishing a routing path for packet delivery to a destination node within a packet-based subnet, said destination node having a destination node address, said method comprising the steps of:

launching a path setup message from said destination node;

receiving said path setup message over a first interface at a first router; and

creating a first routing table entry for a first routing table, said first routing table entry corresponding said destination node address to said first interface,

wherein a packet, subsequently received at said first router and having said destination node address as a packet header destination address, is forwarded from said first router over said first interface after said first router associates said destination node address with said first routing table entry,

said destination node being a wireless device and said first router being incorporated within a first wireless base station,

wherein said wireless device is able to simultaneously tune to, and receive packets from, greater than one base station.

10. (Amended) A method of establishing a routing path for packet delivery to a destination node within a packet-based subnet, said destination node having a destination node address, said method comprising the steps of:

launching a path setup message from said destination node;

receiving said path setup message over a first interface at a first router; and

creating a first routing table entry for a first routing table, said first routing table entry corresponding said destination node address to said first interface,

wherein a packet, subsequently received at said first router and having said destination node address as a packet header destination address, is forwarded from said first router over said first interface after said first router associates said destination node address with said first routing table entry,

further comprising the steps of:

forwarding said path setup message to a next router, said next router receiving said path setup message over a first interface at said next router;

creating a next routing table entry for a next routing table, said next routing table entry corresponding said destination node address to said first interface at said next router; and

sending a path setup message acknowledgment to said destination node address if said next router is a subnet root router.

12. (Amended) A method of establishing a routing path for packet delivery to a destination node within a packet-based subnet, said destination node having a destination node address, said method comprising the steps of:

launching a path setup message from said destination node;